

NOV-02-2005 14:39

BURNS DOANE SWECKER MATHI

P.01/09

Buchanan Ingersoll PC

ATTORNEYS

Including attorneys from Burns Doane Swecker & Mathis

Facsimile Cover

P.O. Box 1404
Alexandria, VA 22313-1404

Suite 500
1737 King Street
Alexandria, VA 22314-2727

T 703 836 6620
F 703 836 2021 (Group 3)
F 703 836 0028 (Group 4)

www.buchananingersoll.com

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Date: November 2, 2005

TO: Karen McLean

Fax Number: 703-746-6698

Company: U.S. PTO

Telephone: 703-308-9140 (X214)

Your Reference: 10/501,985

FROM: Melissa Snyder

Melissa Snyder

Telephone: 703.299.6906

Our Reference: 022702-099

Sent By: Melissa Snyder

**Number of Pages 9
Including Cover:**

Message

Re: U.S. Patent Application No. 10/501,985

Filing Date: July 21, 2004

**Title: Mesosstructured Materials Integrating Nanometric Crystalline Particles
Comprising a Metal in Solid Solution within their Crystalline Lattice (as amended)**

Dear Ms. McLean:

Further to your telephone discussion with Teresa Stanek Rea on October 31, 2005 and our telephone discussion of today in connection with the above-captioned application. As requested, attached is a copy of all papers filed at the U.S. Patent and Trademark Office on March 22, 2005, including:

- Date-stamped Post Card
- Transmittal Letter to the U.S. Designated/Elected Office (DO/EO/US) concerning a Filing under 37 C.F.R. 371
- U.S. PTO Credit Card Form
- Return copy - Notification of Missing Requirements
- Executed Combined Declaration and Power of Attorney

VA 806600.1

Patent R/

Postcard

2. D.

Inventor: Marc Airiau et al.

Appln. No.: 10/501,985

Filing

Date: July 21, 2004

Docket No.: 022702-099

Working Atty.: Teresa Stanek Rea / rsc

Date: March 22, 2005

Dkt. Clerk Initials

JD

The following was/were received in the U.S. Patent and Trademark Office on the date stamped hereon:

- ☐ Amendment or Response
- ☐ Preliminary Amendment
- ☐ Amendment/Reply Transmittal Letter
- ☐ Petition for _____ Month Extension of Time
- ☐ Submission of Formal Drawings w/ _____ sheet(s) of drawings (Fig(s). 1- _____)
- ☐ Request for Approval of Drawing Changes w/ _____ sheet(s) of red ink drawings
- ☐ Notice of Appeal
- ☐ Appeal Brief
- ☐ Request for Oral Hearing
- ☐ Reply Brief
- ☐ Response to Restriction Requirement or Election of Species
- ☐ Terminal Disclaimer
- ☐ Certificate Under 37 C.F.R. 3.73(b)
- ☐ Transmittal Letter for Missing Parts of Application

- ☒ Executed Declaration/Power of Attorney
- ☐ Assignment/Assignment Recordation Form Cover Sheet (PTO-1595)
- ☐ Submission of Certified Copy of Priority Document w/ _____ certified copy(ies)
- ☐ Information Disclosure Statement Transmittal
- ☐ Information Disclosure Citation (PTO-1449)
- ☐ Information Disclosure Statement w/ _____ document(s)
- ☐ Request for Corrected Notice of Recordation of Assignment w/Copy of Notice
- ☐ Request for Continued Examination
- ☐ Issue Fee Transmittal
- ☐ Status Inquiry
- ☐ Submission of Corrected Drawings
- ☐ Payment of Issue Fee and Authorization to charge Deposit Account
- ☐ Request for Refund

- ☐ Request for Corrected Filing Receipt w/copy of Official Filing Receipt
- ☐ Supplemental Application Data Sheet
- ☐ Substitute Specification (clean/marked copies)
- ☐ Check for \$ _____ is enclosed
- ☐ Check for \$ _____ is enclosed
- ☐ Charge \$ _____ to Deposit Account
- ☒ Charge \$ 130.00 to credit card. Form PTO-2038 is attached.
- ☐ Filed by Certificate of Mail
- ☒ Notification of Missing Requirements



If submitting documents via Express Mail, provide the Express Mailing Label No. below:
Express Mail Mailing Label No.

Searchable Form PTD-1590		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER 022702-099	
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371				U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/501,985	
INTERNATIONAL APPLICATION NO. PCT/FR03/00167		INTERNATIONAL FILING DATE 20 January 2003 (20.01.2003)		PRIORITY DATE CLAIMED 21 January 2002 (21.01.2002)	
TITLE OF INVENTION MESOSTRUCTURED MATERIALS INTEGRATING NANOMETRIC CRYSTALLINE PARTICLES COMPRISING A METAL IN SOLID SOLUTION WITHIN THEIR CRYSTALLINE LATTICE (AS AMENDED)					
APPLICANT(S) FOR DO/EO/US AIRIAU, Marc; and CHANE-CHINE, Jean-Yves					
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:					
1. <input type="checkbox"/> This is a FIRST submission to Items concerning a filing under 35 U.S.C. 371. 2. <input checked="" type="checkbox"/> This is a SECOND or SUBSEQUENT submission of Items concerning a filing under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (22) indicated below. 4. <input type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (Article 31). 5. <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).					
Items 11 to 21 below concern document(s) or information included:					
11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input type="checkbox"/> A FIRST preliminary amendment. 14. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A change of power of attorney and/or address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 C.F.R. 1.821 - 1.825. 18. <input type="checkbox"/> A second copy of the published International application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the International application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information: <u>Notification of Missing Requirements Under 35 USC 371 in the United States Designated/Elected Office (DO/EO/US)</u>					

DOCKETED
 filed 3-22-05 JD

U.S. APPLICATION NO. (If known, see R 1.5) 10/501,985		INTERNATIONAL APPLICATION NO. PCT/FR03/00167		... TO ... DOCKET NUMBER 022702-089	
21. <input type="checkbox"/> Applicant(s) requests that the published application include the following assignment information: _____ _____ _____ _____ _____				CALCULATIONS PTO USE ONLY 	
22. <input checked="" type="checkbox"/> The following fees are submitted:					
Basic Filing Fee (1631)				\$ 0.00	
Surcharge of \$130.00 (1617) for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).					
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total Claims	-20 =	0	x \$50.00 (1615)	\$ 0.00	
Independent Claims	-3 =	0	x \$200.00 (1614)	\$ 0.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$360.00 (1616)	
Examination Fee				+ \$200.00 (1633)	
Search Fee				+ \$500.00 (1632)	
App. Size Fee (add \$250.00 for each add'l 50 sheets exceeding 100 sheets)					
TOTAL OF ABOVE CALCULATIONS =				\$ 0.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				+ \$ 0.00	
SUBTOTAL =				\$ 0.00	
Processing fee of \$130.00 (1618) for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$ 0.00	
TOTAL NATIONAL FEE =				\$ 0.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 (8021) per property +					
TOTAL FEES ENCLOSED =				\$ 0.00	
				Amount to be refunded:	
				charged:	
a. <input type="checkbox"/> A check in the amount of _____ to cover the above fees is enclosed.					
b. <input type="checkbox"/> Please charge my Deposit Account No. <u>02-4800</u> in the amount of _____ to cover the above fees. A duplicate copy of this sheet is enclosed.					
c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>02-4800</u> . A duplicate copy of this sheet is enclosed.					
d. <input checked="" type="checkbox"/> Charge <u>\$ 130.00</u> to credit card. Form PTO-2038 is attached.					
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.					
SEND ALL CORRESPONDENCE TO:					
Burns, Doane, Swecker & Mathis, L.L.P. P.O. Box 1404 Alexandria, Virginia 22313-1404 (703) 836-8620					
				SIGNATURE	
				Teresa Stanek Rea	
				NAME	
				30,427	
				March 22, 2006	
				REGISTRATION NO. DATE	

PTO-2038 (02-2003)

Approved for use through 02/28/2006. OMB 0651-0043

United States Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Request and Payment Information

Description of Request and Payment Information:

Missing Requirement fees

<input checked="" type="checkbox"/> Patent Fee	<input type="checkbox"/> Patent Maintenance Fee	<input type="checkbox"/> Trademark Fee	<input type="checkbox"/> Other Fee
Application No. 10/501,985	Application No.	Application No.	IDON Customer No.
Patent No.	Patent No.	Registration No.	
Attorney Docket No. 022702-099		Identify or Describe Mark	

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U.S. APPLICATION NUMBER NO. 10/501,985	FIRST NAMED APPLICANT Marc Airiau	ATTY. DOCKET NO. 022702-099
INTERNATIONAL APPLICATION NO. PCT/FR03/00167		
LA. FILING DATE 01/20/2003	PRIORITY DATE 01/21/2002	

21839
BURNS DOANE SWECKER & MATHIS L L P
POST OFFICE BOX 1404
ALEXANDRIA, VA 22313-1404

CONFIRMATION NO. 3366

371 FORMALITIES LETTER



OC000000015138183

Date Mailed: 02/10/2005

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 07/21/2004
- English Translation of the IA filed on 07/21/2004
- Copy of the International Search Report filed on 07/21/2004
- Preliminary Amendments filed on 07/21/2004
- Information Disclosure Statements filed on 07/21/2004
- U.S. Basic National Fees filed on 07/21/2004

NHB/TSR/NEU
Ch
2-14-05
CR
NAU-mas-2/17/2005

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- \$130 Surcharge for providing the oath or declaration later than 30 months from the priority date (37 CFR 1.492(e)) is required.

SUMMARY OF FEES DUE:

Total additional fees required for this application is \$130 for a Large Entity:

- \$130 Late oath or declaration Surcharge.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

A copy of this notice MUST be returned with the response.

KAREN R MCLEAN

Telephone: (703) 308-9140 EXT 214

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/501,985	PCT/FR03/00167	022702-099

FORM PCT/DO/EO/905 (371 Formalities Notice)